

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A glass substrate for a data storage medium, which consists essentially of: in terms of weight percent

SiO_2 40 to 59 %,

Al_2O_3 5 to 20 %,

B_2O_3 0 to 8 %,

MgO 0 to 10 %,

CaO 0 to 12 %,

SrO 10.6 to 20 %,

BaO 0 to 2 %,

ZnO 0 to 4 %,

Li_2O 0 to 2 %,

Na_2O 0 to 10 %,

K_2O 0 to 8 %,

TiO_2 [[1]] 2 to 10 %, and

ZrO_2 0 to 5 %,

wherein $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO}$ is at least 15 %;

$\text{Al}_2\text{O}_3 + \text{TiO}_2$ is at least 13 %;

$\text{TiO}_2 + \text{ZrO}_2$ is at least 2.3 %; and which has an average linear expansion coefficient of at least $70 \times 10^{-7}/^\circ\text{C}$ within the range of 50 to 350°C , and wherein the glass has a glass transition temperature of at least 600°C , and wherein the number of attachments having sizes ranging from 1 μm to less than 10 μm present on the surface of the glass substrate held in a steam atmosphere at 120°C under 2 atm for 20 hours, is not more than $5 \times 10^4/\text{cm}^2$.

Claim 2 (Canceled).

Claim 3 (Previously Presented): The glass substrate according to Claim 1, wherein $\text{BaO} + \text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$ is at most 14 %.

Claim 4 (Canceled).

Claim 5 (Previously Presented): The glass substrate according to Claim 3, wherein $\text{Li}_2\text{O} + \text{ZnO}$ is at most 2 %.

Claim 6 (Previously Presented): The glass substrate according to Claim 1, wherein $\text{Li}_2\text{O} + \text{ZnO}$ is at most 2 %.

Claims 7-8 (Canceled).

Claim 9 (Currently Amended): The glass substrate as defined in Claim 1, wherein the number of attachments having sizes of at least 10 μm present on the surface of the glass substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than $1/\text{cm}^2$, and the number of attachments having sizes ranging from 1 μm to less than 10 μm so present, is not more than $10^5/\text{cm}^2$.

Claim 10 (Canceled).

Claim 11 (Currently Amended): The glass substrate as defined in Claim 3, wherein the number of attachments having sizes of at least 10 μm present on the surface of the glass

substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than $1/\text{cm}^2$, ~~and the number of attachments having sizes ranging from 1 μm to less than 10 μm so present, is not more than $10^5/\text{cm}^2$.~~

Claim 12 (Canceled).

Claim 13 (Currently Amended): The glass substrate as defined in Claim 5, wherein the number of attachments having sizes of at least 10 μm present on the surface of the glass substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than $1/\text{cm}^2$, ~~and the number of attachments having sizes ranging from 1 μm to less than 10 μm so present, is not more than $10^5/\text{cm}^2$.~~

Claim 14 (Currently Amended): The glass substrate as defined in Claim 6, wherein the number of attachments having sizes of at least 10 μm present on the surface of the glass substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than $1/\text{cm}^2$, ~~and the number of attachments having sizes ranging from 1 μm to less than 10 μm so present, is not more than $10^5/\text{cm}^2$.~~

Claim 15 (Canceled).

Claim 16 (Previously Presented): The glass substrate according to Claim 1, wherein CaO is substantially excluded from the components of the glass.

Claim 17 (Withdrawn): A magnetic disc, which comprises:

an undercoat layer, a magnetic layer and a protective layer formed on a glass substrate, which consists essentially of, in terms of weight percent:

SiO_2 40 to 59 %,

Al_2O_3 5 to 20 %,

B_2O_3 0 to 8 %,

MgO 0 to 10 %,

CaO 0 to 12 %,

SrO 2 to 20 %,

BaO 0 to 2 %,

ZnO 0 to 4 %,

Li_2O 0 to 2 %,

Na_2O 0 to 10 %,

K_2O 0 to 12 %,

TiO_2 0 to 10 %, and

ZrO_2 0 to 5 %,

wherein $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO}$ is at least 15 %.

Claim 18 (Withdrawn): The glass substrate according to Claim 17, wherein $\text{Al}_2\text{O}_3 + \text{TiO}_2$ is at least 11 %.

Claim 19 (Withdrawn): The glass substrate according to Claim 17, wherein $\text{BaO} + \text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$ is at most 14 %.

Claim 20 (Withdrawn): The glass substrate according to Claim 17, wherein $\text{Li}_2\text{O} + \text{ZnO}$ is at most 2 %.

Claim 21 (Withdrawn): The glass substrate according to Claim 17, which has an average linear expansion coefficient of at least $70 \times 10^{-7}/^\circ\text{C}$ within a range of 50 to 350°C .

Claim 22 (Withdrawn): The glass substrate according to Claim 17, which has a glass transition temperature of at least 600°C .

Claim 23 (Withdrawn): A glass substrate made of the glass for a substrate as claimed in Claim 17, wherein the number of attachments having sizes of at least $10 \mu\text{m}$ present on the surface of the glass substrate held in a steam atmosphere at 120°C under 2 atm for 20 hours, is not more than $1/\text{cm}^2$, and the number of attachments having sizes ranging from $1 \mu\text{m}$ to less than $10 \mu\text{m}$ so present, is not more than $10^5/\text{cm}^2$.

Claims 24-25 (Canceled).

Claim 26 (Previously Presented): The glass substrate according to Claim 1, wherein $\text{Al}_2\text{O}_3 + \text{TiO}_2$ is at least 15 %.

Claim 27 (Previously Presented): The glass substrate according to Claim 26, wherein $\text{Al}_2\text{O}_3 + \text{TiO}_2$ is at least 16 %.

Claim 28 (New): The glass substrate according to Claim 1, wherein the number of attachments having sizes ranging from $1 \mu\text{m}$ to less than $10 \mu\text{m}$ present on the surface of the

glass substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than $3 \times 10^4/\text{cm}^2$.

DISCUSSION OF THE AMENDMENT

Claim 1 has been amended to recite, in effect, an N_S maximum of $5 \times 10^4/\text{cm}^2$, as supported by Example 5. See the specification at page 14, lines 19-20 and Table 1 at page 17. Remaining amendments have been made to be consistent with the amendment to Claim 1. New Claim 28 has been added, as supported by Examples 1, 2 or 14.

No new matter is believed to have been added by the above amendment. Claims 1, 3, 5-6, 9, 11, 13, 14, 16, and 26-28 are now active in the application; Claims 17-23 stand withdrawn from consideration.